Model D10271
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D10271**

Werlatone® ***Mismatch Tolerant®*** High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

Features:

High Power Wide Bandwidths Small Size Custom Designs Available

Electrical Specifications:

Type:	2-Way Combiner/Divider (60/40 Split)
Frequency:	140 - 180 MHz
Power:	500 W CW, 8 kW Peak
Insertion Loss:	0.4 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	± 0.3 dB Max.
Isolation:	Non-Isolated

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Weight:	29 ounces
Size:	6.0 x 5.0 x 1.06"

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2)**	**Input/Output (J3)**
D10271-10	N Female	N Female	N Female

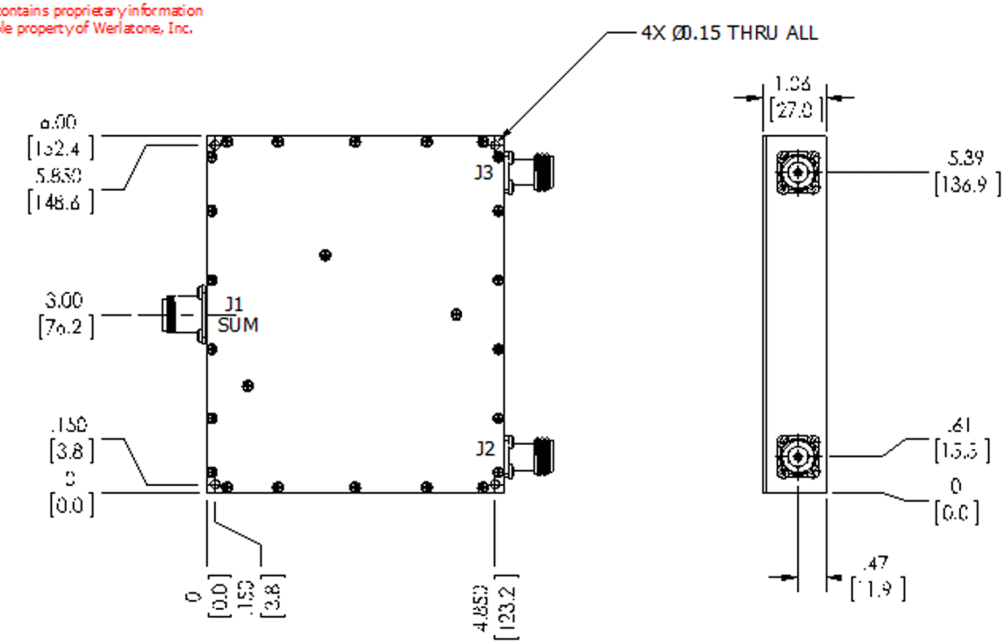
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	3/16/2015	BW



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE 2 CLASS 3 (CLEAR)
3. CONNECTORS: ALL N (FEMALE)

	D10271
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING PER ASME Y14.5M-2009
- REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
- CONCENTRICITY MACHINED DIA .002 FIM
- MACHINE TOOL MISMATCH .002 MAX

THIRD ANGLE PROJECTION

DWN	PLP	3/13/2015
CHK	NM	3/16/2015
ENGR		
MFGR		
QA		
APVD		

WERLATONESINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE, 2 WAY

SIZE	CAGE CODE	DWG NO	REV
B	28812	21308-500	-

SCALE 1:2 SHEET 1 OF 1

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